

We claim:

1. The use of copolymers obtainable by free-radical polymerization of

A) 50 - 99.9% by weight of an olefinically unsaturated C<sub>3</sub>-C<sub>5</sub>-monocarboxylic acid, of an olefinically unsaturated C<sub>4</sub>-C<sub>8</sub>-dicarboxylic acid or of its anhydride or a mixture of such carboxylic acids or anhydrides with

B) 0.1 - 50% by weight of one or more long-chain compounds with isolated C-C multiple bonds from the group comprising

(1) mono- or polyunsaturated C<sub>8</sub>-C<sub>30</sub>-monocarboxylic acids which may have additional hydroxyl groups, as well as their alkali metal and alkaline earth metal salts, alkyl esters, amides, sorbitan esters, glycerol esters or polyglycerol esters,

(2) mono- or polyunsaturated aliphatic C<sub>8</sub>-C<sub>30</sub>-amines,

(3) mono- or polyunsaturated C<sub>8</sub>-C<sub>30</sub>-alcohols as well as their esters with saturated C<sub>1</sub>-C<sub>4</sub>-monocarboxylic acids,

(4) C<sub>8</sub>-C<sub>30</sub>-alkyl vinyl ethers which may contain up to 25 alkylene oxide units incorporated, and

(5) terminal or internal C<sub>16</sub>-C<sub>30</sub>-alkenes,

C) 0 - 49.9% by weight of other copolymerizable monomers and

D) 0 - 10% by weight of one or more compounds with at least two olefinically unsaturated groups in the molecule as crosslinkers,

as thickeners or dispersants.

2. The use of copolymers as claimed in claim 1, which are obtainable by free-radical polymerization of

A) 75 - 99.45% by weight of carboxylic acid component A,

- B) 0.5 - 24.95% by weight of the long-chain compounds with isolated C-C multiple bonds B,
- 5 C) 0 - 24.45% by weight of other copolymerizable monomers and
- D) 0.05 - 5% by weight of the crosslinker component D.
- 10 3. The use of copolymers as claimed in claim 1 or 2, prepared using acrylic acid, methacrylic acid or maleic anhydride as component A.
- 15 4. The use of copolymers as claimed in claims 1 to 3, prepared using as component B one or more long-chain compounds with isolated olefinic double bonds from the group comprising
- 20 (1) mono- to tetraunsaturated C<sub>14</sub>-C<sub>24</sub>-monocarboxylic acids as well as their alkali metal and alkaline earth metal salts, C<sub>1</sub>-C<sub>4</sub>-alkyl esters, glycerol esters or polyglycerol esters,
- (2) mono- to tetraunsaturated aliphatic primary C<sub>14</sub>-C<sub>24</sub>-amines,
- 25 (3) mono- to tetraunsaturated primary C<sub>14</sub>-C<sub>24</sub>-alcohols as well as their esters with saturated C<sub>1</sub>-C<sub>4</sub>-monocarboxylic acids,
- 30 (4) C<sub>10</sub>-C<sub>25</sub>-alkyl vinyl ethers which may contain up to 10 alkylene oxide units incorporated, and
- (5) terminal C<sub>16</sub>-C<sub>24</sub>-alkenes.
- 35 5. The use of copolymers as claimed in claims 1 to 4, prepared using as component D allyl ethers of pentaerythritol, trimethylolpropane or sucrose with at least two allyl ether units in the molecule as well as allyl methacrylate, oleyl (meth)acrylate or methylenebisacrylamide.
- 40 6. The use of copolymers as claimed in claim 1 as thickeners or dispersants in cosmetic preparations.
7. The use of copolymers as claimed in claim 1 as thickeners or dispersants in pharmaceutical preparations.
- 45 8. A copolymer obtainable by free-radical polymerization of

- 5
- A) 50 - 99.9% by weight of an olefinically unsaturated C<sub>3</sub>-C<sub>5</sub>-monocarboxylic acid, of an olefinically unsaturated C<sub>4</sub>-C<sub>8</sub>-dicarboxylic acid or of its anhydride or a mixture of such carboxylic acids or anhydrides with
- 10
- B) 0.1 - 50% by weight of one or more long-chain compounds with isolated C-C multiple bonds from the group comprising
- 15
- (1) mono- and polyunsaturated C<sub>8</sub>-C<sub>30</sub>-monocarboxylic acids which may have additional hydroxyl groups, as well as their alkali metal and alkaline earth metal salts, alkyl esters, amides, sorbitan esters, glycerol esters or polyglycerol esters,
- 20
- (2) mono- and polyunsaturated aliphatic C<sub>8</sub>-C<sub>30</sub>-amines,
- (3) mono- and polyunsaturated C<sub>8</sub>-C<sub>30</sub>-alcohols as well as their esters with saturated C<sub>1</sub>-C<sub>4</sub>-monocarboxylic acids,
- 25
- (4) C<sub>8</sub>-C<sub>30</sub>-alkyl vinyl ethers which may contain up to 25 alkylene oxide units incorporated,
- 30
- C) 0 - 49.9% by weight of other copolymerizable monomers and
- D) 0 - 10% by weight of one or more compounds with at least two olefinically unsaturated groups in the molecule as crosslinkers.
- 35
9. A cosmetic or pharmaceutical preparation containing copolymers as claimed in claims 1 to 5 as thickeners and dispersants in the amounts customary for this purpose.

40

45

add  
a' →

add  
C1

Abstract of the Disclosure: The use of copolymers obtainable by free-radical polymerization of

- 5 A) 50 - 99.9% by weight of an olefinically unsaturated  
C<sub>3</sub>-C<sub>5</sub>-monocarboxylic acid, of an olefinically unsaturated  
C<sub>4</sub>-C<sub>8</sub>-dicarboxylic acid or of its anhydride or a mixture of  
such carboxylic acids or anhydrides with
- 10 B) 0.1 - 50% by weight of one or more long-chain compounds with  
isolated C-C multiple bonds from the group comprising
- 15 (1) mono- or polyunsaturated C<sub>8</sub>-C<sub>30</sub>-monocarboxylic acids  
which may have additional hydroxyl groups, as well as  
their alkali metal and alkaline earth metal salts, alkyl  
esters, amides, sorbitan esters, glycerol esters or poly-  
glycerol esters,
- 20 (2) mono- or polyunsaturated aliphatic C<sub>8</sub>-C<sub>30</sub>-amines,
- (3) mono- or polyunsaturated C<sub>8</sub>-C<sub>30</sub>-alcohols as well as their  
esters with saturated C<sub>1</sub>-C<sub>4</sub>-monocarboxylic acids,
- 25 (4) C<sub>8</sub>-C<sub>30</sub>-alkyl vinyl ethers which may contain up to  
25 alkylene oxide units incorporated, and
- (5) terminal and internal C<sub>16</sub>-C<sub>30</sub>-alkenes,
- 30 C) 0 - 49.9% by weight of other copolymerizable monomers and
- D) 0 - 10% by weight of one or more compounds with at least two  
olefinically unsaturated groups in the molecule as cross-  
linkers,
- 35 as thickeners or dispersants, especially in cosmetic and pharma-  
ceutical preparations.

40

45

AMENDED SHEET